

EXAMPLE SCENARIO 3

TABLE 2.1  
OCCURRENCE, DISTRIBUTION, AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN

The Dean Company

Scenario Timeframe: Future
Medium: Sediment
Exposure Medium: Fish Tissue

Exposure Point	CAS Number	Chemical	Minimum (1) Concentration (Qualifier)	Maximum (1) Concentration (Qualifier)	Units	Location of Maximum Concentration	Detection Frequency	Range of Detection Limits	Concentration Used for Screening (1)	Background Value (2)	Screening Toxicity Value (3) (N/C)	Potential ARAR/TBC Value	Potential ARAR/TBC Source	COPC Flag (Y/N)	Rationale for Selection or Deletion (4)
Trout	11096825	Arochlor 1260	0.0002 J	0.005 J	mg/kg	Trout - 1	3 / 10	0.0001 - 0.0001	0.005	NA	0.0016 C	NA	NA	Y	ASL
	7439921	Lead	0.004 J	0.007 J	mg/kg	Trout - 3	5 / 10	0.001 - 0.001	0.007	NA	NA	NA	NA	Y	NTX
	1746016	2,3,7,8-Tetrachlorodibenzodioxin	0.00000001 J	0.00000005 J	mg/kg	Trout - 1	4 / 10	0.00000001 - 0.00000001	0.00000005	NA	0.000000021 C	NA	NA	Y	ASL

(1) Measured fish tissue concentrations. Maximum measured fish tissue concentrations used for screening.

(2) Background values are not available.

(3) All compounds were screened against the Risk-Based Concentration (RBC) Table, U.S. EPA Region III, May 8, 2001 for fish tissue (cancer benchmark = 1E-06; HQ = 0.1).

(4) Rationale Codes:

Selection Reason: Above Screening Level (ASL)  
No Toxicity Information (NTX)

Definitions:

NA = Not Applicable

COPC = Chemical of Potential Concern

ARAR/TBC = Applicable or Relevant and Appropriate Requirement/To Be Considered

J = Estimated Value

C = Carcinogen

N = Noncarcinogen